

Amendments to the Specification:

After the title and before the sentence beginning "The present patent application is a non-provisional ..." added by preliminary amendment filed on September 7, 2004, please insert the following paragraph:

-- CROSS REFERENCE TO RELATED APPLICATIONS --

On page 1, before the paragraph beginning "The invention relates to ...," please insert the following paragraph:

-- FIELD OF THE INVENTION --

Please remove the paragraphs beginning on page 1, line 5, beginning with "In this document ..." through page 3, line 20 ending with "... to increase the productivity of treated animals."

Please insert the following paragraphs (representing those removed from page 1, line 5 through page 3, line 20), on page 8, line 27, before the sentence beginning "The following definitions ...":

-- In this document, "fluid" refers to various medicines or active products obtained by chemical synthesis or a natural extract compound, designed to care or treat an infection or a body injury, or to correct or modify an organic function, or to produce a diagnostic. For example, anti-inflammatory drugs, antibiotics, antiviral agents, fungicides, anticancer agents, antiangiogenic agents, antiglaucomatous agents, neuroprotectors, neuromodulators, anaesthetics, products intended for genic therapy such as oligonucleotides, plasmides, and nutrients, vitamins, salts, minerals and hormone products. A fluid may also be a body fluid such as blood or one of its compounds, gastric juices, urine, etc.

For further information about the definition of a medicine, the European Directive 65/65/CEE, Jan. 26 1965 dealing with legal requirements related to medicines gives the following definition:

"The following definitions are applicable in application of this directive:

1. Pharmaceutical specialty: any medicine prepared in advance, marketed under a special name and within special packaging.

2. Medicine: Any substance or composition presented as having remedial or preventive properties with regard to human or animal diseases.

Any substance or composition that can be administered to man or animal in order to produce a medical diagnostic or to restore, correct or modify organic functions in man or animal is also considered as being a medicine.

3. Substance: Any material regardless of its origin, which may be:

- human such as human blood and products derived from human blood,
- animal such as micro-organisms, whole animals, parts of organs, animal secretions, toxins, substances obtained by extraction, products derived from blood, etc.
- vegetable such as micro-organisms, plants, parts of plants, vegetable secretions, substances obtained by extraction, etc.
- chemical such as elements, natural chemical materials and chemical transformation and synthesis products.

4. Magistral formula: any medicine prepared in a pharmacy using a prescription intended for a specific patient.

5. Officinal formula: any medicine prepared in a pharmacy according to the indications in a pharmacopoeia and that will be issued directly to patients supplied through this pharmacy”.

This is completed by Directive 2309/93, Jul. 22 1993:

“Medicines derived from one of the following biotechnological processes:

- recombining deoxyribonucleic acid technology,
- controlled expression of coding genes for proteins biologically active in prokaryotes and eukaryotes, including transformed mammal cells,
- methods based on hybridomes and monoclonal antibodies.

Veterinary medicines, including medicines not derived from biotechnology, intended for use mainly as performance enhancers to promote growth or to increase the productivity of treated animals”. --

On page 3, before line 21 beginning with “Since risks of ...,” please insert the following new paragraph:

-- BACKGROUND OF THE INVENTION --

On page 6, before line 1 beginning with "One purpose of the invention ...," please insert the following new paragraph:

-- SUMMARY OF THE INVENTION --

On page 8, before line 1 beginning with "Other characteristics and advantages ...," please insert the following new paragraph:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

On page 8, after line 27 ending with "... invention in Figure 9," please insert the following new paragraph:

-- DETAILED DESCRIPTION --